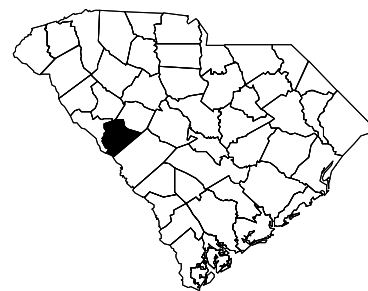


# IMPACT OF CHRONIC CONDITIONS EDGEFIELD County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Edgefield county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Edgefield county's population is similar to the state's. The majority (42%) of the population in Edgefield county are between the ages of 18-44, and there are more males (53%) than females (47%). Edgefield county has a higher minority population (42%) than the state (32%). When adults in Edgefield county were asked about their general health status, 73.2% reported having excellent, very good, or good health in 2002 (SC was 83%).

	EDGEFIELD COUNTY	STATE
<b>Population size</b>	24,868	4,107,183
<b>Age distribution (%)</b>		
<18	22	24
18-44	42	40
45-64	25	24
65-84	10	11
85+	1	1
<b>Race (%)</b>		
White	58	68
Black & Other	42	32
<b>Sex (%)</b>		
Male	53	49
Female	47	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Edgefield county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	28	27
Sedentary lifestyle	41	42
Overweight	64	60
High Cholesterol	11	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	30.6	.	.	.	.	28.4
Number of hospitalizations	22	20	2	9	13	5,173
Standard rate of hospitalizations (per 100,000)	92	233	15	74	102	125
Median age of hospitalized patients	63	63	83	53	73	63
Total cost of hospitalization (\$)	152,900	143,400	9,500	64,800	88,100	79,350,400
Average length of hospital stay (days)	3	3	3	3	3	5
Number of ED visits	33	21	12	10	23	7,306
Standard rate of ED visits (per 100,000)	133	219	80	78	185	175
Median age of ED patients	53	50	58	43	58	53
Total cost of ED visits (\$)	20,700	11,000	9,700	5,100	15,600	5,902,800
Number of deaths*	1	1	-	-	1	366
Standard death rate (per 100,000)*	5	13	-	-	7	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	8.76	.	.	.	.	5.13
Number of hospitalizations	65	33	32	36	29	30,831
Standard rate of hospitalizations (per 100,000)	268	376	207	303	227	734
Median age of hospitalized patients	68	58	68	63	73	68
Total cost of hospitalization (\$)	1,504,700	617,200	887,500	1,148,100	356,600	969,122,700
Average length of hospital stay (days)	4	3	5	5	3	5
Number of ED visits	15	6	9	12	3	2,754
Standard rate of ED visits (per 100,000)	64	72	60	108	22	66
Median age of ED patients	58	58	58	58	65	63
Total cost of ED visits (\$)	32,700	10,200	22,500	26,000	6,700	10,617,900
Number of deaths*	68	23	45	29	39	9,723
Standard death rate (per 100,000)*	304	290	319	315	291	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.01	.	.	.	.	2.38
Number of hospitalizations	27	8	19	11	16	14,317
Standard rate of hospitalizations (per 100,000)	124	100	141	136	122	351
Median age of hospitalized patients	73	58	73	68	73	73
Total cost of hospitalization (\$)	355,300	125,000	230,300	165,200	190,100	279,819,700
Average length of hospital stay (days)	5	9	4	4	6	6
Number of ED visits	.	.	.	.	.	2,732
Standard rate of ED visits (per 100,000)	18	27	13	19	15	67
Median age of ED patients	73	70	73	65	73	73
Total cost of ED visits (\$)	8,200	5,000	3,200	3,200	5,000	6,322,600
Number of deaths*	6	2	4	-	6	2,816
Standard death rate (per 100,000)*	29	28	31	-	44	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	77	33	44	37	40	14,524
Standard rate of hospitalizations (per 100,000)	322	327	297	364	316	351
Median age of hospitalized patients	58	43	68	55	60	58
Total cost of hospitalization (\$)	565,400	272,400	293,000	235,700	329,700	198,700,700
Average length of hospital stay (days)	3	3	4	3	4	5
Number of ED visits	204	150	54	84	120	37,517
Standard rate of ED visits (per 100,000)	827	1,467	392	680	1,032	914
Median age of ED patients	28	23	28	18	38	33
Total cost of ED visits (\$)	153,900	107,600	46,300	66,000	87,900	30,607,600
Number of deaths*	11	1	10	4	7	1,891
Standard death rate (per 100,000)*	49	10	71	46	53	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	10.7	.	.	.	.	8.33
Number of hospitalizations	56	47	9	22	34	8,652
Standard rate of hospitalizations (per 100,000)	222	490	60	165	272	207
Median age of hospitalized patients	53	53	53	58	53	53
Total cost of hospitalization (\$)	475,000	438,800	36,200	150,800	324,200	127,167,500
Average length of hospital stay (days)	5	5	3	5	5	6
Number of ED visits	47	41	6	16	31	9,316
Standard rate of ED visits (per 100,000)	193	458	39	121	251	224
Median age of ED patients	53	53	53	48	58	53
Total cost of ED visits (\$)	27,400	21,800	5,600	13,500	13,900	8,261,100
Number of deaths*	5	4	1	1	-	1,114
Standard death rate (per 100,000)*	23	52	7	18	-	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	47	24	23	11	36	24,644
Standard rate of hospitalizations (per 100,000)	186	230	151	88	288	591
Median age of hospitalized patients	53	45	58	58	48	58
Total cost of hospitalization (\$)	815,300	318,800	496,500	203,300	612,000	605,119,300
Average length of hospital stay (days)	5	4	6	7	5	6
Number of deaths*	50	12	38	29	21	8,320
Standard death rate (per 100,000)*	209	129	254	255	158	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	2,113
Standard rate of hospitalizations (per 100,000)	22	10	29	14	22	51
Median age of hospitalized patients	83	48	85	53	88	68
Total cost of hospitalization (\$)	67,600	29,100	38,500	46,000	21,600	80,248,200
Average length of hospital stay (days)	7	13	6	10	5	10
Number of deaths*	7	2	5	3	4	807
Standard death rate (per 100,000)*	30	22	35	21	27	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,465
Standard rate of hospitalizations (per 100,000)	7	10	6	.	16	35
Median age of hospitalized patients	73	43	48	.	45	63
Total cost of hospitalization (\$)	18,200	6,600	11,600	.	18,200	21,213,600
Average length of hospital stay (days)	1	1	1	.	1	3
Number of deaths*	2	-	2	-	2	630
Standard death rate (per 100,000)*	8	-	12	-	15	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	.	.	.	.	.	5
Median age of hospitalized patients	.	48	88	.	68	48
Total cost of hospitalization (\$)	.	.	.	.	.	3,668,300
Average length of hospital stay (days)	.	.	.	.	.	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	2,154
Standard rate of hospitalizations (per 100,000)	12	32	.	17	8	51
Median age of hospitalized patients	53	53	.	63	48	68
Total cost of hospitalization (\$)	55,300	55,300	.	15,900	39,400	70,474,400
Average length of hospital stay (days)	8	8	.	4	16	9
Number of deaths*	16	5	11	12	4	2,481
Standard death rate (per 100,000)*	67	56	71	109	32	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,353
Standard rate of hospitalizations (per 100,000)	8	.	13	19	.	32
Median age of hospitalized patients	73	.	73	73	.	68
Total cost of hospitalization (\$)	32,500	.	32,500	32,500	.	24,726,200
Average length of hospital stay (days)	3	.	3	3	.	4
Number of deaths*	2	-	2	2	-	478
Standard death rate (per 100,000)*	9	-	15	27	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

#### For more information about

##### Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH  
Bureau of Epidemiology  
SC Department of Health and Environmental Control  
1800 St. Julian Place, Suite 406  
Columbia, SC 29204  
Tel (803) 545-4920

##### Hospital discharges and ED visits, contact:

Sandra Kelly  
Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958  
[skelly@ors.state.sc.us](mailto:skelly@ors.state.sc.us)

